SONY VAIO

VGN-N320E/B

VAIO® N Series Notebook PC

Celebrate style, performance and value.

TAKE PRIDE IN PC DESIGN

From furniture and artwork to paint colors and picture frames, you coordinate your home with style and taste. So why have a PC you have to hide when the guests arrive? Designed to complement your design motif, the VAIO® N Notebook PC features cool colors, smooth lines and a soft, relaxing sense of style.

STUNNING WIDESCREEN DISPLAY

Engineered for a fantastic viewing experience, the VAIO® N Series Notebook features an exceptional 15.4" widescreen display[11] with Sony's original XBRITE-ECO™ LCD technology. Now you can enjoy videos and photos with brilliant colors and stunning clarity while conserving valuable power.

HOME MOVIES MADE EASY

Edit and enjoy home movies with the VAIO® N Series Notebook. With Click to DVD® software and built-in DVD burner[4] , you can capture video from your camcorder to enjoy at home or share with friends and family. You can even create your own customized DVDs complete with interactive menus and customizable themes.

MESSAGING

Enjoy thrilling graphics and exceptional DVD viewing with 15.4" widescreen[11] display with XBRITE-ECO™ LCD technology.
Elegant design complements your home interior with cool colors, smooth lines and simplistic style.
Intel® Pentium® dual-core processor, DVD burner[4] and roomy hard drive support your everyday PC endeavors.
Easily capture video from your camcorder and create customized DVDs with Click to DVD® software.
Connectivity options include ExpressCard™ , i.LINK®[6] interface, Memory Stick® Media and 2 USB ports.

Complement your home decor or impress from the road with the cool colors and smooth lines of the VAIO® N Notebook. In addition to its Intel® Pentium® Dual-Core processor , CD/DVD burner[4] and elegant form factor, this easy-to-use notebook features a suite of multimedia software and a stunning 15.4" widescreen LCD[11] display with XBRITE-ECO™ technology.

Windows Vista Home Premium

intel Pentium Dual-Core inside

XBRITE-ECO™

VAIO

like.no.other™

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Specifications

General

Computer Type: Notebook
Type of Use: Portable
Action Buttons: Standby, WLAN on/off
Pointing Device: Electro-Static touch pad

Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch

Processor

Type: Intel® Pentium® Dual-Core processor T2060
Speed: 1.60GHz[1]
Front Side Bus Speed: 533MHz
L2 Cache: 1MB

Memory

Type: DDR2
Installed: 1GB (512MBx2) PC2-4200
Maximum: 2GB
Speed: 533MHz

Hard Drive

Capacity: 120GB[2]
Speed: 5400rpm
Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4] (DVD±R DL/DVD±RW/DVD-RAM)
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Memory Stick PRO™ and Memory Stick PRO Duo™ media with MagicGate® functionality
ExpressCard™ /34 Slot

Audio

Sound System: Windows® sound system compatible

Display

Screen or Display Technology: WXGA LCD
Screen Size: 15.4"[11]
Resolution: 1280 x 800
XBRITE-ECO™ Technology: Yes

Graphics

Processor: Intel® Graphics Media Accelerator 950
Video RAM: 224MB[12] Total Available Graphics Memory
Chipset: Intel® 943GML
Interface: VGA Out with Smart Display Sensor

Inputs and Outputs

Ethernet Port: 1
Headphone Jack: 1
i.LINK® Interface: 1(4-pin) interface[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Secure Digital Slot: 1
Microphone Input: 1
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Express Card™ Slot: 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T/100Base-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Atheros IEEE Network Connection (802.11b/g)[3]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS2A/S)
Estimated Battery Life: 2.0-4.0 hours[7]
Power Requirements: 86W+10%

Software

Operating System: Windows Vista™ Home Premium
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5 60-Day Trial Version of Microsoft® Office 2007 [10]
Sony® Original Software: Click to DVD® - DVD Creation
*Please access VAIO® Support Central from your PC for a complete list of software applications and trials.
Security and Anti-Virus Software: Norton® Internet Security™ 2007 60-Day trial with spyware protection.

Service and Warranty Information

Limited Warranty: 1 Year Limited Warranty[8]
Telephone Support: 1 year toll-free technical telephone assistance, available 24/7[9]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO

Dimensions

Weight: 6.5 lbs with standard battery (weight is approximate and may vary)
Measurements: 14.4"(W) x 1.2"-1.6"(H) x 10.5"(D)

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS2A/S)
AC adapter
Power Cord

Optional Accessories

Additional Standard Capacity Battery (VGP-BPS2C/S)
Large Capacity Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V10)
1GB Memory Expansion Module (VGP-MM1GA)
512MB Memory Expansion Module (VGP-MM512M)
USB Visual Communication Camera (VGP-UVC100)
Battery Charger (VGP-BC1)
Wireless Presentation Mouse (VGP-WMS50A)
Neoprene Notebook & AC Adapter (VGP-AMC3)
Bluetooth® Adapter[5] (PCGA-BA2)

Color: Black
UPC Code: 027242715554

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point(s). Some features may rely on Internet service which may require a fee.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns battery and environmental conditions.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Viewable area measured diagonally.
12. Total Available Graphics Memory refers to the new Windows Vista™ classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate and may vary.

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